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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Nislow et al.

Attorney Docket No.: CYTOP003

Application No.: 09/888,063

Examiner: UNASSIGNED

Filed: June 22, 2001

Group: UNASSIGNED

Title: IMAGE ANALYSIS FOR PHENOTYPING  
SETS OF MUTANT CELLS

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, Washington, DC 20231 on July 31, 2001.

Signed: 

Leslie Russell

**INFORMATION DISCLOSURE STATEMENT  
37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

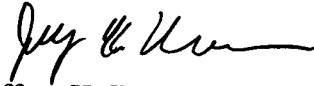
This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby

authorized to charge such fees to Deposit Account 500388 (Order No. CYTQP003).

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

A handwritten signature in black ink, appearing to read "Jeff K. Weaver", written over the printed name.

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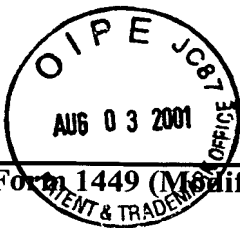
<b>Form 1449 (Modified)</b> <b>Information Disclosure Statement By Applicant</b> (Use Several Sheets if Necessary)	<table style="width: 100%;"> <tr> <td style="width: 50%;">           Atty Docket No.            CYTOP003            Applicant:            Nislow et al.            Filing Date            June 22, 2001         </td> <td style="width: 50%;">           Application No.:            09/888,063              Group            UNASSIGNED         </td> </tr> </table>	Atty Docket No. CYTOP003 Applicant: Nislow et al. Filing Date June 22, 2001	Application No.: 09/888,063  Group UNASSIGNED
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### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	6,008,010	12/28/99	Greenberger et al.			
	A2	5,989,835	11/23/99	Dunlay et al.			
	A3	60/120,801	02/19/99	Wang et al.			
	A4	60/142,646	07/06/99	Boyce et al.			
	A5	60/142,375	07/06/99	Boyce et al.			
	A6	60/108,291	11/13/98	Boyce et al.			
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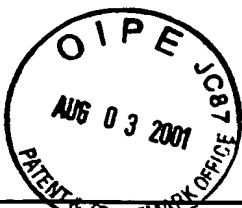
### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1	WO 99/39184	08/05/99	PCT			X	
	B2	WO 00/29984	05/25/00	PCT			X	
	B3	WO 98/45704	10/15/98	PCT			X	
	B4	WO 99/17116	04/08/99	PCT			X	
	B5	WO 99/54494	10/28/99	PCT			X	



<b>Form 1449 (Modified)</b> <b>Information Disclosure</b> <b>Statement By Applicant</b> (Use Several Sheets if Necessary)	Atty Docket No. CYTOP003	Application No.: 09/888,063
	Applicant: Nislow et al. Filing Date June 22, 2001	Group UNASSIGNED

	B6	WO 98/05959	02/12/98	PCT			X	
	B7	WO 00/33250	06/08/00	PCT			X	
	B8	WO 00/03246	01/20/00	PCT			X	
	B9	WO 00/17624	03/30/00	PCT			X	
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	B13	WO 97/45730	12/04/97	PCT			X	
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	B15	WO 97/20198	06/05/97	PCT			X	
	B16	WO 98/44333	10/08/98	PCT			X	
	B17	WO 99/44062	09/02/99	PCT			X	
	B18	EP 0468705	01/29/92	EP			X	
	B19	EP0902394	03/17/99	EP			X	
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	B30	WO 96/01438	01/18/96	PCT			X	
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	B33	WO 99/39184	08/05/99	PCT			X	



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<b>Information Disclosure Statement By Applicant</b>	Applicant: Nislow et al.	Group UNASSIGNED
(Use Several Sheets if Necessary)	Filing Date June 22, 2001	

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	Printout from Q3DM Website ( <a href="http://www.Q3DM.com">www.Q3DM.com</a> ), printed on March 1, 2001, 30 Pages.
	C2	Montironi R., et al., "Computed Cell Cycle and DNA Histogram Analyses in Image Cytometry in Breast Cancer", Journal of Clinical Pathology, GB, London, Vol. 46, No. 9, September 1993, Pages 795-800.
	C3	Giuliano K.A., et al., "Fluorescent-Protein Biosensors: New Tools for Drug Discovery", Trends in Biotechnology, GB, Elsevier Publications, Cambridge, Vol. 16, No. 3, March 1998, Pages 135-140.
	C4	Printout from Automated Cell Website ( <a href="http://www.automatedcell.com">www.automatedcell.com</a> ) printed on March 9, 2001, 24 Pages.
	C5	Ravi Kapur, et al., "Design and Fabrication of Spatially Controlled Miniaturized Organ Systems From Stem Cells", U.S. Provisional Patent Application No.: 60/127,339, Filed April 1, 1999, 21 Pages.
	C6	Giuliano et al., "High-Content Screening: A New Approach to Easing Key Bottlenecks in the Drug Discovery Process", <u>J. Biomolecular Screening</u> , 2(4): 249 (1997).
	C7	Pauwels et al., "Determination of the Mechanism of Action of Anticancer Drugs by Means of the Computer- Assisted Microscope Image Analysis of Feulgen-Stained Nuclei", <u>J. Pharmacological and Toxicological Methods</u> , 37: 105-115 (1997).
	C8	Pauwels et al., "Monitoring Of Chemotherapy-Induced Morphonuclear Modifications By Means Of Digital Cell-Image Analysis", <u>I. Cancer Res. Clin. Oncol.</u> , 119: 533-540 (1993).
	C9	Pauwels et al., "In Vitro Digital Cell Image Analysis of Morphonuclear Modifications Induced by Natural DNA- Interacting Anticancer Drugs in Three Neoplastic Cell Lines", <u>Meth. Find. Exp. Clin. Pharmacol.</u> , 17(3): 151-161 (1995).
	C10	Pauwels et al., "The Application of Computerized Analysis of Nuclear Images and Multivariate Analysis to the Understanding of the Effects of Antineoplastic Agents and Their Mechanism of Action", <u>Meth. Find. Exp. Clin. Pharmacol</u> , 15(2): 113-124 (1993).
	C11	Teri Adams, et al., "Cell Patterning on Glass and Polymeric Substrates", U.S. Provisional Patent Application No.: 60/138,119, Filed June 7, 1999, 21 Pages.



<b>Form 1349 (Modified)</b> <b>Information Disclosure</b> <b>Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. CYTOP003	Application No.: 09/888,063
	Applicant: Nislow et al. Filing Date June 22, 2001	Group UNASSIGNED

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C12	Pauwels et al., "Combination of Computerized Morphonuclear and Multivariate Analyses to Characterize In Vitro the Antineoplastic Effect of Alkylating Agents", J. Pharmacol. and Toxicol. Methods, 33(1): 34-45 (1995).
	C13	Weinstein et al., " An Information-Intensive Approach to the Molecular Pharmacology of Cancer", <u>Science</u> , 275: 43-349 (January 17, 1997).
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.